



Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12557-016001	Application No. 10/772,227
	Applicant Michelle L. Verbsky et al.		
	Filing Date February 4, 2004	Group Art Unit 1638	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
MI	AA	5,965,793	10/12/99	Broun et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
MI	AQ	Fire et al., "Potent and specific genetic interference by double-stranded RNA in <i>Caenorhabditis elegans</i> ," <i>Nature</i> , 1998, 391:806-811
MI	AR	Gönczy et al., "Functional genomic analysis of cell division in <i>C. elegans</i> using RNAi of genes on chromosome III," <i>Nature</i> , 2000, 408:331-336
	AS	
	AT	

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MI	AA	4,761,373	08/02/88	Anderson et al.			
MI	AB	4,769,061	09/06/88	Comai			
MI	AC	4,771,571	09/20/88	Obrero et al.			
MI	AD	4,810,648	03/07/89	Stalker			
MI	AE	4,851,341	07/25/89	Hopp et al.			
MI	AF	4,940,835	07/10/90	Shah et al.			
MI	AG	4,975,374	12/04/90	Goodman et al.			
MI	AH	5,001,912	03/26/91	DeWalch			
MI	AI	5,013,659	05/07/91	Bedbrook et al.			
MI	AJ	5,093,124	03/03/92	Kulenkampff			
MI	AK	5,162,602	11/10/92	Somers et al.			
MI	AL	5,192,546	03/09/93	Abercrombie			
MI	AM	5,204,253	04/20/93	Sanford et al.			
MI	AN	5,246,716	09/21/93	Sedun et al.			
MI	AO	5,346,698	09/13/94	Abercrombie			
MI	AP	5,491,084	02/13/96	Chalfie et al.			
MI	AQ	5,554,798	09/10/96	Lundquist et al.			
MI	AR	5,668,292	09/16/97	Somerville et al.			
MI	AS	5,674,897	10/07/97	Kim et al.			
MI	AT	5,698,592	12/16/97	Kim et al.			
MI	AU	5,750,386	05/12/98	Conkling et al.			
MI	AV	5,767,366	06/16/98	Sathasivan et al.			
MI	AW	5,801,026	09/01/98	Somerville et al.			
MI	AX	5,846,784	12/08/98	Hitz			
MI	AY	5,928,937	07/27/99	Kakefuda et al.			
MI	AZ	6,013,863	01/11/00	Lundquist et al.			
MI	AAA	6,028,248	02/22/00	Somerville et al.			

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U.S. Patent Documents							
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MI	ABB	6,048,714	04/11/00	Hiramoto			
MI	ACC	6,084,155	07/04/00	Volrath et al.			
MI	ADD	6,124,359	09/26/00	Feitelson et al.			
MI	AEE	6,194,167	02/27/01	Browse et al.			
MI	AFF	6,225,528	05/01/01	Chin et al.			
MI	AGG	6,291,742	09/18/01	Somerville et al.			
MI	AHH	6,310,194	10/30/01	Somerville et al.			
MI	AII	6,329,518	12/11/01	Green et al.			
MI	AJJ	6,333,448	12/25/01	Bafor et al.			
MI	AKK	20010016956	08/23/01	Ward et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MI	ALL	0 242 246	10/21/87	EPO				
MI	AMM	WO 98/46762	10/22/98	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
MI	ANN	Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <u>Nucl. Acids Res.</u> , 1997, 25(17):3389-3402
MI	AOO	Atkinson et al., "Image Analysis of the Growth of <i>Globodera pallida</i> and <i>Meloidogyne incognita</i> on Transgenic Tomato Roots Expressing Cystatins," <u>J. Nematol.</u> , 1996, 28(2):209-215
MI	APP	Banaš et al., "The involvement of phospholipids: diacylglycerol acyltransferases in triacylglycerol production," <u>Biochem. Soc. Trans.</u> , 2000, 28(6):703-705
MI	AQQ	Barker et al., "Plant and Soil Nematodes: Societal Impact and Focus for the Future," <u>J. Nematol.</u> , 1994, 26(2):127-137
MI	ARR	Bateman et al., "Pfam 3.1: 1313 multiple alignments and profile HMMs match the majority of proteins," <u>Nucl. Acids Res.</u> , 1999, 27:260-262
MI	ASS	Bouvier-Navé et al., "Expression in yeast of an acyl-CoA:diacylglycerol acyltransferase cDNA from <i>Caenorhabditis elegans</i> ," <u>Biochem. Soc. Trans.</u> , 2000, 28(6):692-695
MI	ATT	Bouvier-Navé et al., "Expression in yeast and tobacco of plant cDNAs encoding acyl CoA:diacylglycerol acyltransferase," <u>Eur. J. Biochem.</u> , 2000, 267(1):85-96

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Other Documents (include Author, Title, Date, and Place of Publication)		
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MI	AUU	Broadwater et al., "Desaturation and Hydroxylation. Residues 148 and 324 of <i>Arabidopsis</i> FAD2, in Addition to Substrate Chain Length, Exert A Major Influence in Partitioning of Catalytic Specificity," <u>J. Biol. Chem.</u> , 2002, 277(18):15613-15620
MI	AVV	Broun & Sommerville, "Accumulation of Ricinoleic, Lesquerolic, and Densipolic Acids in Seeds of Transgenic <i>Arabidopsis</i> Plants That Express a Fatty Acyl Hydroxylase cDNA from Castor Bean," <u>Plant Physiol.</u> , 1997, 113(3):933-942
MI	AWW	Broun et al., "A bifunctional oleate 12-hydroxylase: desaturase from <i>Lesquerella fendleri</i> ," <u>Plant J.</u> , 1998, 13(2):201-210
MI	AXX	Broun et al., "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity of Plant Lipids," <u>Science</u> , 1998, 282(5392):1315-1317
MI	AYY	Bustos et al., "Regulation of β -Glucuronidase Expression in Transgenic Tobacco Plants by an A/T-Rich, <i>cis</i> -Acting Sequence Found Upstream of a French Bean β -Phaseolin Gene," <u>Plant Cell</u> , 1989, 1:839-853
MI	AZZ	Carpenter, et al., "Township limits on 1,3-D will impact adjustment to methyl bromide phase-out," <u>California Agriculture</u> , 2001, 55(3):12-18
MI	AAAA	Carter, "Costs uncertain: Methyl bromide phase-out becomes reality," <u>California Agriculture</u> , 2001, 55(3):2
MI	ABBB	Clough & Bent, "Floral dip: a simplified method for <i>Agrobacterium</i> -mediated transformation of <i>Arabidopsis thaliana</i> ," <u>Plant J.</u> , 1998, 16(6):735-743
MI	ACCC	Dahlqvist et al., "Phospholipid:diacylglycerol acyltransferase: An enzyme that catalyzes the acyl-CoA-independent formation of triacylglycerol in yeast and plants," <u>Proc. Natl. Acad. Sci USA</u> , 2000, 97(12):6487-6492
MI	ADDD	Davis et al., "Nematicidal Activity of Fatty Acid Esters on Soybean Cyst and Root-knot Nematodes," <u>J. Nematol.</u> , 1997, 29(4S):677-684
MI	AEEE	Djian et al., "Nematocidal Properties of Carboxylic Acids and Derivatives," <u>Pestic. Biochem. Physiol.</u> , 1994, 50(3):229-239
MI	AFFF	Eisenback, "Techniques for Measuring Nematode Development and Egg Production," <u>Laboratory Techniques in Nematode Ecology</u> , Wheeler et al. (eds.), Society of Nematologists, Hyattsville, MD, pp. 1-4
MI	AGGG	van Engelen et al., "pBINPLUS: an improved plant transformation vector based on bPIN19," <u>Transgenic Res.</u> , 1995, 4:288-290
MI	AHHH	Gaginella et al., "Actions on Ricinoleic Acid and Structurally Related Fatty Acids on the Gastrointestinal Tract. II. Effects on Water and Electrolyte Absorption <i>In Vitro</i> ," <u>J. Pharmacol. Exp. Ther.</u> , 1975, 195(2):355-361
MI	AIII	Gaginella et al., "Cytotoxicity of Ricinoleic Acid (Castor Oil) And Other Intestinal Secretagogues on Isolated Intestinal Epithelial Cells," <u>J. Pharmacol. Exp. Ther.</u> , 1977, 201(1):259-266
MI	AJJJ	Gamborg et al., "Nutrient Requirements of Suspension Cultures of Soybean Root Cells," <u>Exp. Cell Res.</u> , 1968, 50:151-158
MI	AKKK	Green et al., "Binding site requirements for pea nuclear protein factor GT-1 correlate with sequences required for light-dependent transcriptional activation of the <i>rbcs-3A</i> gene," <u>EMBO J.</u> , 1988, 7(13):4035-4044
MI	ALLL	Hackney & Dickerson, "Marigold, Castor Bean, and Chrysanthemum as Controls of <i>Meloidogyne incognita</i> and <i>Pratylenchus alleni</i> ," <u>J. Nematol.</u> , 1975, 7(1):84-90

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MI	AMMM	Heinrich et al., "PotRb7 - A Gene Equivalent to tobRB7 from Potato (Accession No. U65700)," <u>Plant Physiol.</u> , 1996, 112(2):862
MI	ANNN	Atkinson et al., "Engineering Resistance to Plant-parasitic Nematodes," <u>The Physiology and Biochemistry of Free-Living and Plant-Parasitic Nematodes</u> , 1998, Perry & Wright (eds.), CAB International, Chapter 15, pp. 381-413
MI	A000	Hussey & Barker, "A Comparison of Methods of Collecting Inocula of Meloidogyne Spp., Including a New Technique," <u>Plant Disease Reporter</u> , 1973, 57(12):1025-1028
MI	APPP	Jako et al., "Seed-Specific Over-Expression of an Arabidopsis cDNA Encoding a Diacylglycerol Acyltransferase Enhances Seed Oil Content and Seed Weight," <u>Plant Physiol.</u> , 2001, 126(2):861-874
MI	AQQQ	Jordano et al., "A Sunflower Helianthinin Gene Upstream Sequence Ensemble Contains an Enhancer and Sites of Nuclear Protein Interaction," <u>Plant Cell</u> , 1989, 1:855-866
MI	ARRR	Karlin and Altschul, "Methods for assessing the statistical significance of molecular sequence features by using general scoring schemes," <u>Proc. Natl. Acad. Sci. USA</u> , 1990, 87:2264-2268
MI	ASSS	Karlin and Altschul, "Applications and statistics for multiple high-scoring segments in molecular sequences," <u>Proc. Natl. Acad. Sci. USA</u> , 1993, 90:5873-5877
MI	ATTT	Lasota & Dybas, "Abamectin As A Pesticide for Agricultural Use," <u>Acta Leidensia</u> , 1990, 59(1-2):217-225
MI	AUUU	Lee et al., "Identification of Non-Heme Diiron Proteins That Catalyze Triple Bond and Epoxy Group Formation," <u>Science</u> , 1998, 280:915-918
MI	AVVV	Marroquin et al., " <i>Bacillus thuringiensis</i> (Bt) Toxin Susceptibility and Isolation of Resistance Mutants in the Nematode <i>Caenorhabditis elegans</i> ," <u>Genetics</u> , 2000, 155(4):1693-1699
MI	AWWW	McCormick, "Transformation of tomato with <i>Agrobacterium tumefaciens</i> ," <u>Plant Tissue Culture Manual</u> , 1991, B6:1-9
MI	AXXX	McElroy et al., "Development of <i>gusA</i> reporter gene constructs for cereal transformation: Availability of plant transformation vectors from the CAMBIA Molecular Genetic Resource Service," <u>Mol. Breed.</u> , 1995, 1:27-37
MI	AYYY	Meier et al., "Elicitor-Inducible and Constitutive in Vivo DNA Footprints Indicate Novel <i>cis</i> -Acting Elements in the Promoter of a Parsley Gene Encoding Pathogenesis-Related Protein 1," <u>Plant Cell</u> , 1991, 3:309-315
MI	AZZZ	Mello et al., "Efficient gene transfer in <i>C.elegans</i> : extrachromosomal maintenance and integration of transforming sequences," <u>EMBO J.</u> , 1991, 10(12):3959-3970
MI	AAAAA	Millar et al., "All fatty acids are not equal: discrimination in plant membrane lipids," <u>Trends Plant Sci.</u> , 2000, 5(3):95-101
MI	ABBBB	Miquel & Browse, "Arabidopsis Mutants Deficient in Polyunsaturated Fatty Acid Synthesis. Biochemical and Genetic Characterization of a Plant Oleoyl-Phosphatidylcholine Desaturase," <u>J. Biol. Chem.</u> , 1992, 267(3):1502-1509
MI	ACCCC	Momin & Nair, "Pest-Managing Efficacy of <i>trans</i> -Asarone Isolated from <i>Daucus carota</i> L. Seeds," <u>J. Agric. Food Chem.</u> , 2002, 50(16):4475-4478
MI	ADDDD	Moon et al., "A Condensing Enzyme from the Seeds of <i>Lesquerella fendleri</i> That Specifically Elongates Hydroxy Fatty Acids," <u>Plant Physiol.</u> , 2001, 127(4):1635-1643
MI	AEEEE	Peyou-Ndi et al., "Identification and Characterization of an Animal Δ^{12} Fatty Acid Desaturase Gene by Heterologous Expression in <i>Saccharomyces cerevisiae</i> ," <u>Arch. Biochem. Biophys.</u> , 2000, 376(2):399-408

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MI	AFFFF	Sarda et al., "Characterization of closely related δ -TIP genes encoding aquaporins which are differentially expressed in sunflower roots upon water deprivation through exposure to air," <u>Plant Mol. Biol.</u> , 1999, 40(1):179-191
MI	AGGGG	Singh et al., "Inhibition of polyunsaturated fatty acid accumulation in plants expressing a fatty acid epoxygenase," <u>Biochem. Society Trans.</u> , 2000, 28(6):940-942
MI	AHHHH	Singh et al., "Transgenic expression of a Δ 12-epoxygenase gene in <i>Arabidopsis</i> seeds inhibits accumulation of linoleic acid," <u>Planta</u> , 2001, 212:872-879
MI	AIIII	Sonnhammer et al., "Pfam: A Comprehensive Database of Protein Domain Families Based on Seed Alignments," <u>Proteins: Structure, Function, and Genetics</u> , 1997, 28:405-420
MI	AJJJJ	Sonnhammer et al., "Pfam: multiple sequence alignments and HMM-profiles of protein domains," <u>Nucl. Acids Res.</u> , 1998, 26(1):320-322
MI	AKKKK	Spychalla et al., "Identification of an animal ω -3 fatty acid desaturase by heterologous expression in <i>Arabidopsis</i> ," <u>Proc. Natl. Acad. Sci. USA</u> , 1997, 94(4):1142-1147
MI	ALLLL	Stadler et al., "Fatty Acids and Other Compounds with Nematicidal Activity from Cultures of Basidiomycetes," <u>Planta Medica</u> , 1994, 60(2):128-132
MI	AMMMM	van de Loo et al., "Unusual Fatty Acids," <u>Lipid Metabolism in Plants</u> , 1993, CRC Press, Boca Raton, Chapter 3, pp. 91-126
MI	ANNNN	van de Loo et al., "An oleate 12-hydroxylase from <i>Ricinus communis</i> L. is a fatty acyl desaturase homolog," <u>Proc. Natl. Acad. Sci. USA</u> , 1995, 92(15):6743-6747
MI	AOOOO	Vos et al., "The tomato <i>Mi-1</i> gene confers resistance to both root-knot nematodes and potato aphids," <u>Nat. Biotechnol.</u> , 1998, 16:1365-1369
MI	APPPP	Wright & Perry, "Musculature and Neurobiology," <u>The Physiology and Biochemistry of Free-Living and Plant-parasitic Nematodes</u> , 1998, CAB International, Chapter 3, pp. 49-73
MI	AQQQQ	Yamamoto et al., "Characterization of <i>cis</i> -Acting Sequences Regulating Root-Specific Gene Expression in Tobacco," <u>Plant Cell</u> , 1991, 3:371-382
MI	ARRRR	Ye et al., " <i>Arabidopsis</i> ovule is the target for <i>Agrobacterium in planta</i> vacuum infiltration transformation,"
MI	ASSSS	Zhang et al., "DNA Sequences That Activate Isocitrate Lyase Gene Expression during Late Embryogenesis and during Postgerminative Growth," <u>Plant Physiol.</u> , 1996, 110:1069-1079

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